

ULTRAFLEX-R-CY UL/CSA/CE



ULTRAFLEX-R-CY is a PVC, ultra-flexible, heavy-duty, oil-resistant, overall shielded, continuous flex multi-conductor power chain cable. Designed for medium mechanical stress and free movements in dry, damp and wet areas. These special cables provide increased flex life and resistance to oil, synthetic oils and water based coolants. Best for permanent flexing in drag chain applications found in the auto industry. Also commonly found in gantry robots, cable tracks, pick & place units, conveyor systems, machine tools, automated handling equipment, body presses and transfer lines. The UL/CSA/CE approvals make this cable ideal for import and export to and from North American and European markets. Designed for over 5 million flex cycles in power chains. The tinned copper braid shield provides disturbance-free transmissions of signals and impulses with additional protection against EMI emissions. The black UV-resistant jacket allows for outdoor installations within the noted temperature ranges.

ULTRAFLEX-R-CY UL-AWM 2587 CSA-AWM I/II A/B FT 1 CE



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Special color code VDE-0293 - red & numbered
- Ground wire in outer layer
- Textile tape wrap over cores
- Black PVC inner jacket
- 85 % Tinned Copper Braid
- PVC outer jacket - black (RAL 9005)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 (600v UL)
- Test voltage: 4000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -5° C to +90° C
- Static temp: -40° C to +90° C
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: 20 MΩ x km

Approvals:

- UL-AWM Style 2587
- UL 10012 (core insulation)
- CSA AWM I/II A/B FT1
- VDE-0245, 0250, 0281
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (74/38) 0,50mm2				
2512003	3	0.335" / 8.5mm	30	83
2512004	4	0.358" / 9.1mm	35	91
2512005	5	0.390" / 9.9mm	46	103
2512007	7	0.433" / 11.0mm	62	128
2512009	9	0.488" / 12.4mm	90	163
2512012	12	0.531" / 13.5mm	109	216
2512018	18	0.583" / 14.8mm	117	235
2512025	25	0.630" / 16.0mm	128	251
2512034	34	0.748" / 19.0mm	150	292
18 AWG (114/38) 1,00mm2				
2511803	3	0.350" / 8.9mm	38	89
2511804	4	0.382" / 9.7mm	54	104
2511805	5	0.409" / 10.4mm	60	121
2511807	7	0.472" / 12.0mm	71	140
2511809	9	0.555" / 14.1mm	108	215
2511812	12	0.598" / 15.2mm	117	239
2511815	15	0.657" / 16.7mm	137	264
2511818	18	0.693" / 17.6mm	162	317
2511825	25	0.815" / 20.7mm	229	436
2511834	34	0.957" / 24.3mm	291	524
16 AWG (190/38) 1,50mm2				
2511603	3	0.402" / 10.2mm	60	111
2511604	4	0.499" / 11.0mm	65	129
2511605	5	0.465" / 11.8mm	74	150
2511607	7	0.551" / 14.0mm	99	184
2511609	9	0.641" / 16.3mm	129	238
2511612	12	0.673" / 17.1mm	172	309
2511618	18	0.795" / 20.2mm	241	452
2511625	25	0.992" / 25.2mm	365	637
2511634	34	1.106" / 28.1mm	452	807
2511650	50	1.206" / 32.0mm	624	1263

Sizes continued on next page.

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ULTRAFLEX-R-CY Sizes Continued. (14 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
14 AWG (320/38) 2,50mm²				
2511403	3	0.465" / 11.8mm	95	148
2511404	4	0.520" / 13.2mm	114	181
2511405	5	0.559" / 14.2mm	131	235
2511407	7	0.685" / 17.4mm	168	287
2511412	12	0.827" / 21.0mm	247	490
2511418	18	1.000" / 25.4mm	429	765
12 AWG (512/38) 4,00mm²				
2511203	3	0.551" / 14.0mm	121	199
2511204	4	0.626" / 15.9mm	156	245
2511205	5	0.697" / 17.7mm	221	306
2511207	7	0.823" / 20.9mm	265	494
10 AWG (343/34) 6,00mm²				
2511004	4	0.720" / 18.3mm	212	384
8 AWG (301/32) 10,0mm²				
2510804	4	0.913" / 23.2mm	329	679
6 AWG (483/32) 16,0mm²				
2510604	4	1.087" / 27.6mm	570	939
4 AWG (768/32) 25,0mm²				
2510404	4	1.303" / 33.1mm	973	1409
2 AWG (1026/32) 35,0mm²				
2510204	4	1.488" / 37.8mm	1268	1710

* Additional sizes may be available.